

**SOUTHBRIDGE**  
**Cancer Incidence by Sex, 1993 - 1997**  
**Expected and Observed Case Counts, with Standardized Incidence Ratios**

|  | <u>Exp</u> | <u>Obs</u> | <u>SIR</u> |                                       | <u>Exp</u> | <u>Obs</u> | <u>SIR</u> |
|--|------------|------------|------------|---------------------------------------|------------|------------|------------|
| <b><u>Bladder, Urinary</u></b>                       |            |            |            | <b><u>Melanoma of Skin</u></b>        |            |            |            |
| Male   | 11.68      | 18         | 154        | Male                                  | 6.47       | 7          | 108        |
| Female   | 5.34       | 7          | 131        | Female                                | 5.63       | 2          | NC*        |
| Total  | 17.02      | 25         | 147        | Total                                 | 12.10      | 9          | 74         |
| <b><u>Brain and Other Central Nervous System</u></b> |            |            |            | <b><u>Multiple Myeloma</u></b>        |            |            |            |
| Male   | 3.48       | 5          | 143        | Male                                  | 2.09       | 4          | NC*        |
| Female   | 3.36       | 4          | NC*        | Female                                | 2.27       | 0          | NC*        |
| Total  | 6.85       | 9          | 131        | Total                                 | 4.36       | 4          | NC*        |
| <b><u>Breast</u></b>                                 |            |            |            | <b><u>Non-Hodgkin's Lymphoma</u></b>  |            |            |            |
| Male   | 0.73       | 0          | NC*        | Male                                  | 8.70       | 9          | 104        |
| Female   | 72.18      | 80         | 111        | Female                                | 9.11       | 12         | 132        |
| Total  | 72.91      | 80         | 110        | Total                                 | 17.80      | 21         | 118        |
| <b><u>Cervix Uteri</u></b>                           |            |            |            | <b><u>Oral Cavity and Pharynx</u></b> |            |            |            |
| Female   | 4.32       | 4          | NC*        | Male                                  | 6.81       | 7          | 103        |
|  |            |            |            | Female                                | 3.95       | 3          | NC*        |
|  |            |            |            | Total                                 | 10.76      | 10         | 93         |
| <b><u>Colon / Rectum</u></b>                         |            |            |            | <b><u>Ovary</u></b>                   |            |            |            |
| Male   | 29.05      | 34         | 117        | Female                                | 8.53       | 9          | 105        |
| Female   | 34.72      | 27         | 78         |                                       |            |            |            |
| Total  | 63.77      | 61         | 96         |                                       |            |            |            |
| <b><u>Esophagus</u></b>                              |            |            |            | <b><u>Pancreas</u></b>                |            |            |            |
| Male   | 3.89       | 3          | NC*        | Male                                  | 4.20       | 3          | NC*        |
| Female   | 1.77       | 1          | NC*        | Female                                | 5.52       | 8          | 145        |
| Total  | 5.66       | 4          | NC*        | Total                                 | 9.72       | 11         | 113        |
| <b><u>Hodgkin's Disease</u></b>                      |            |            |            | <b><u>Prostate</u></b>                |            |            |            |
| Male   | 1.72       | 2          | NC*        | Male                                  | 65.97      | 70         | 106        |
| Female   | 1.41       | 4          | NC*        |                                       |            |            |            |
| Total  | 3.13       | 6          | 192        |                                       |            |            |            |
| <b><u>Kidney and Renal Pelvis</u></b>                |            |            |            | <b><u>Stomach</u></b>                 |            |            |            |
| Male   | 6.16       | 6          | 97         | Male                                  | 4.97       | 5          | 101        |
| Female   | 4.32       | 2          | NC*        | Female                                | 3.79       | 3          | NC*        |
| Total  | 10.48      | 8          | 76         | Total                                 | 8.76       | 8          | 91         |
| <b><u>Larynx</u></b>                                 |            |            |            | <b><u>Testis</u></b>                  |            |            |            |
| Male   | 3.61       | 8          | 222        | Male                                  | 2.45       | 4          | NC*        |

|   |       |    |      |   |        |     |     |
|---|-------|----|------|---|--------|-----|-----|
| Female  | 1.11  | 1  | NC*  |   |        |     |     |
| Total   | 4.73  | 9  | 190  |   |        |     |     |
| <b><u>Leukemia</u></b>                          |       |    |      | <b><u>Thyroid</u></b>                       |        |     |     |
| Male  | 4.85  | 3  | NC*  | Male  | 1.24   | 1   | NC* |
| Female  | 4.28  | 2  | NC*  | Female                                      | 3.46   | 1   | NC* |
| Total   | 9.12  | 5  | 55   | Total                                       | 4.70   | 2   | NC* |
| <b><u>Liver and Intrahepatic Bile Ducts</u></b> |       |    |      | <b><u>Uteri, Corpus and Uterus, NOS</u></b> |        |     |     |
| Male  | 2.14  | 1  | NC*  |   |        |     |     |
| Female  | 1.13  | 0  | NC*  | Female                                      | 13.75  | 11  | 80  |
| Total   | 3.26  | 1  | NC*  |   |        |     |     |
| <b><u>Lung and Bronchus</u></b>                 |       |    |      | <b><u>All Sites / Types</u></b>             |        |     |     |
| Male  | 34.83 | 37 | 106  | Male  | 220.78 | 244 | 111 |
| Female  | 30.07 | 18 | 60 # | Female                                      | 239.00 | 226 | 95  |
| Total   | 64.90 | 55 | 85   | Total                                       | 459.78 | 470 | 102 |

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

**Obs** = observed case count

**SIR** = standardized incidence ratio [ (**Obs** / **Exp**) X 100 ]

\* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

# indicates statistical significance at the  $p \leq 0.05$  level

~ indicates statistical significance at the  $p \leq 0.01$  level, as well as at the  $p \leq 0.05$  level

^ indicates statistical significance at the  $p \leq 0.001$  level, as well as at the  $p \leq 0.05$  and  $p \leq 0.01$  levels